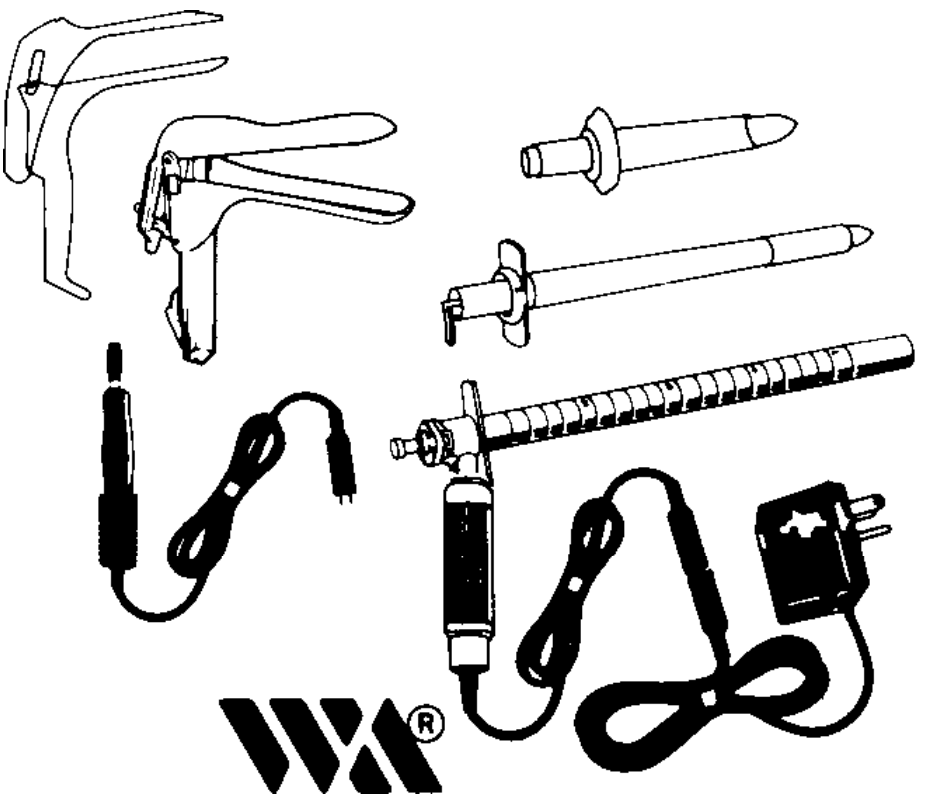
Diagnostic

Operating Instructions For Welch Allyn LIGHT SOURCES, ILLUMINATORS & TRANSFORMERS

Nos. 73210 and 78000
(Light Sources)
No. 73305 (Transformer)

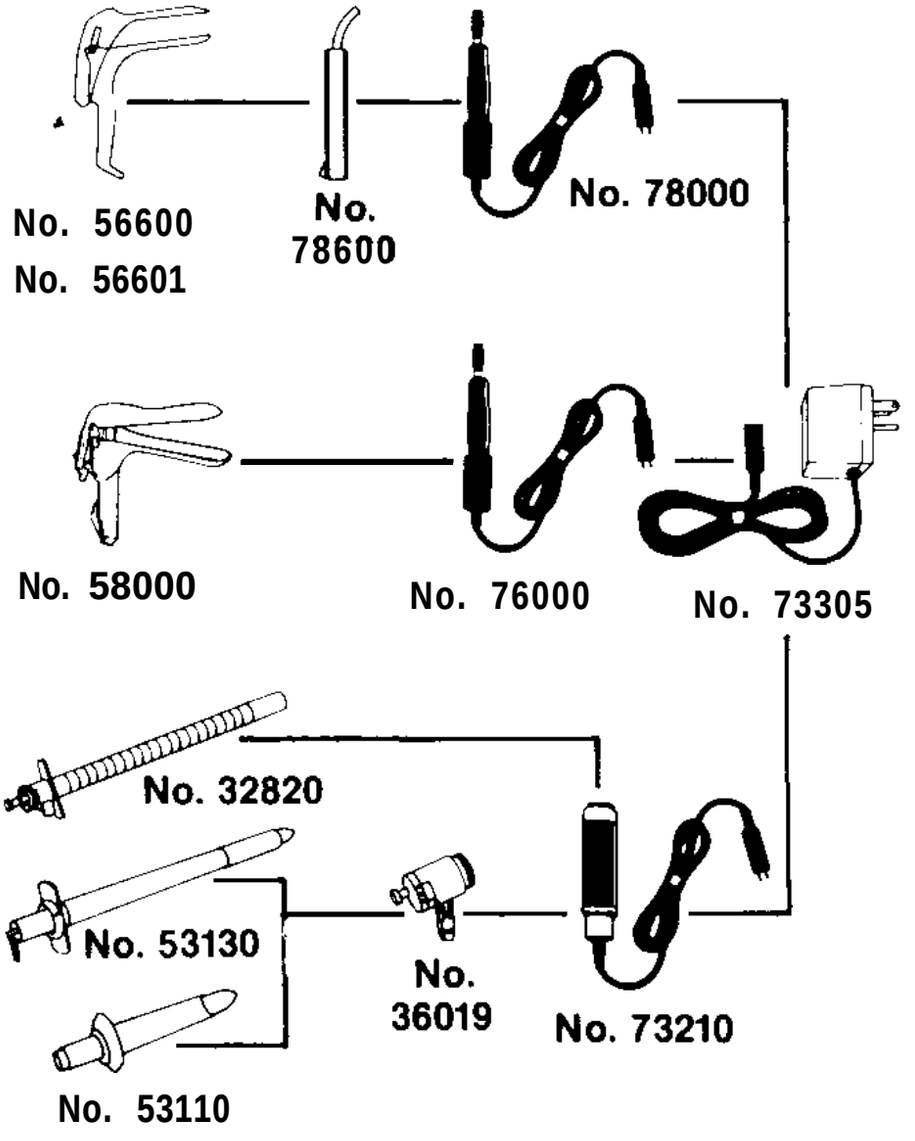


Welch Allyn

Welch Allyn, Inc.
4341 State Street Road
P.O. Box 220
Skaneateles Falls, NY 13153-0220
U.S.A.

Thank you for purchasing this transformer and/or light source for use with Welch Allyn diagnostic instruments. The specifications and maintenance instructions found in this folder should be followed to ensure many years of convenient service.

Vaginal/Endoscopic Diagnostic Instrument Systems



GENERAL INSTRUCTIONS

Connect light handle [73210 or 78000] to the No. 73305 transformer. Lamps in the 73210 and 78000 will illuminate immediately when connected to the transformer (optional No. 73308 on-off switch [formerly 733071] and No. 73400 rheostat controls are available; see current Welch Allyn catalog).

REPAIR

For Repairs Send Unit To:

Welch Allyn

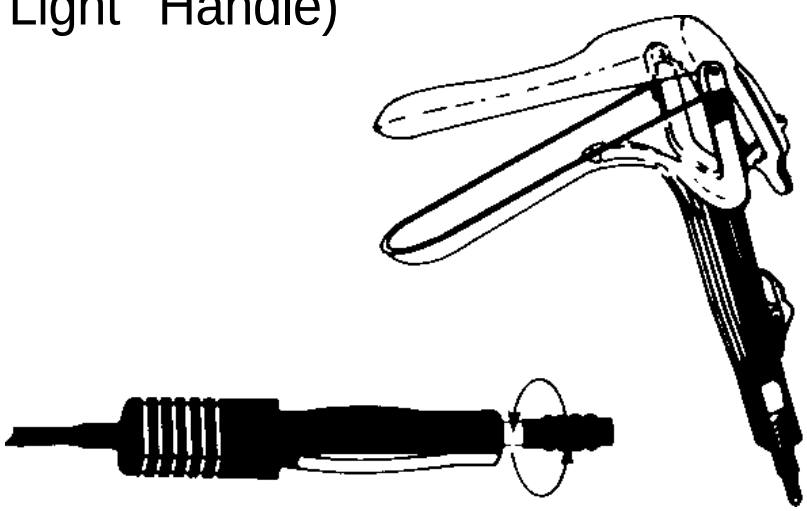
Welch Allyn, Inc.
Technical Service Dept.
4341 State Street Road
Skaneateles Falls, N.Y. 13153-0220
Telephone: (315) 685-4577

LAMP REPLACEMENT INSTRUCTIONS

NOTE: If lamp surface is touched or becomes smudged, wipe clean with a soft cloth dampened with alcohol. This will assure longer lamp life and higher output.

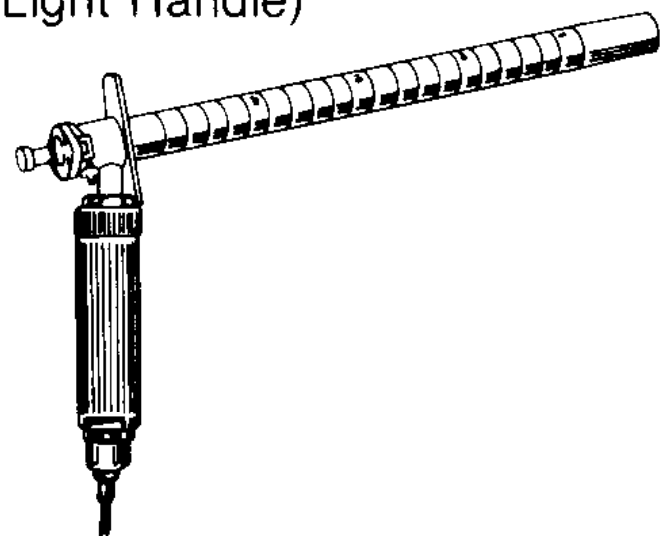
CAUTION: LAMPS BECOME HOT DURING OPERATION. ALLOW TO COOL BEFORE REPLACEMENT.

No. 78000 (Vaginal Speculum Light Handle)

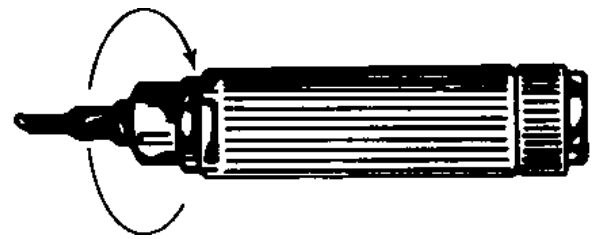


Remove lamp by unscrewing counter-clockwise. Replace with Welch Allyn lamp No. 07800 (formerly No. 00800).

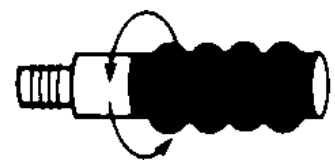
No. 73210 (Endoscopic Instrument Light Handle)



A. Unscrew light handle sleeve to expose lamp.



B. Remove lamp by unscrewing counterclockwise. Replace with Welch Allyn Halogen lamp No. 07800 (formerly No. 04000).



C. Replace light handle sleeve.

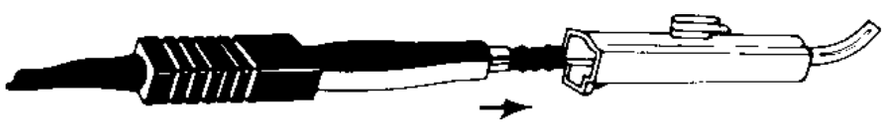
EXPENDABLE ILLUMINATOR INSTRUCTIONS

No. 78800 (Series 58600 Vaginal Specula)

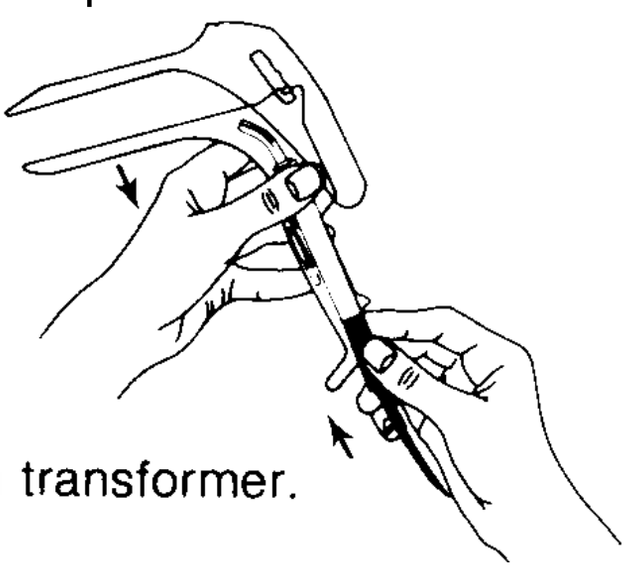
This illuminator is used in conjunction with 58600 and 58601 Disposable Vaginal Specula, Vaginal Speculum Light Handle (78000), and Transformer (73305).

TO PREPARE FOR USE:

1. Place illuminator on light handle.



2. Place illuminator and light handle into slot on 58600/58601 vaginal speculum handle.
3. Slide illuminator assembly up until it locks into place.

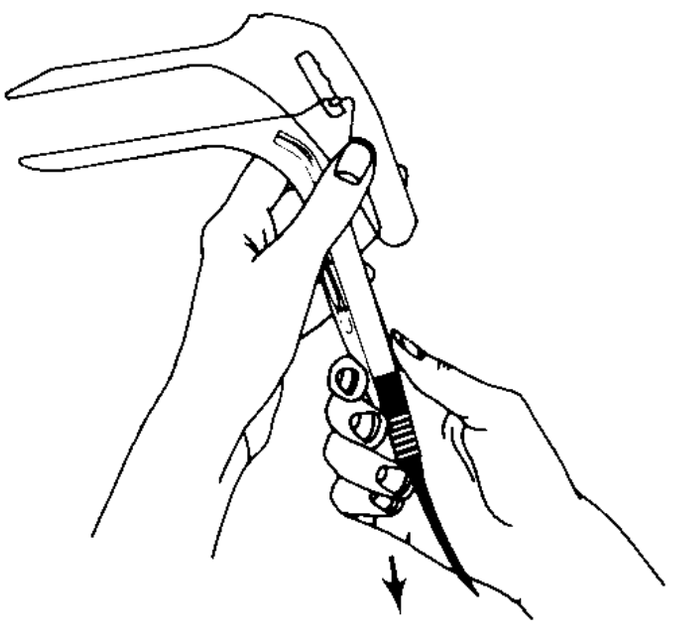


4. Plug in transformer.

No. 78600 (Series 58600 Vaginal Specula continued)

TO REMOVE ILLUMINATOR:

1. Place thumb at base of illuminator assembly and pull down.
2. Pull illuminator off of light handle.

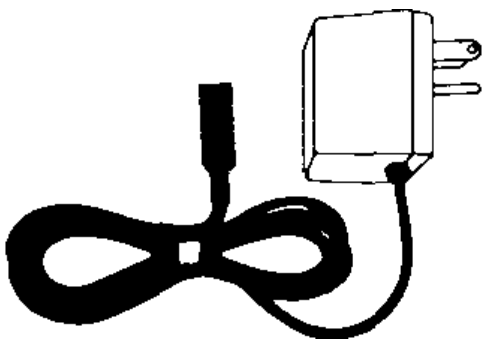


CAUTION: LAMP BECOMES HOT DURING OPERATION.

TRANSFORMER

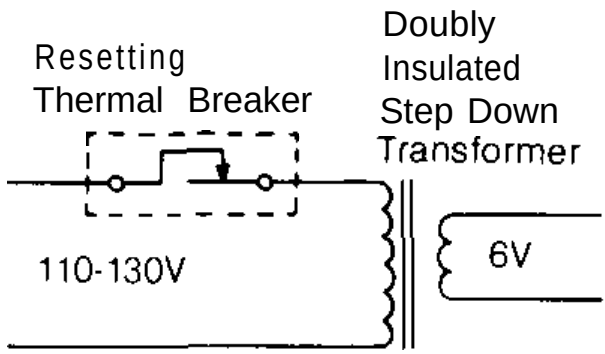
No. 73305 (Vaginal and Endoscopic Instruments)

This is a direct plug-in type transformer encased in a durable housing and doubly insulated for electrical safety. Simply plug it into a 110-130 V., 50-60 Hz., outlet, and the unit will be ready to power the 78000 Vaginal Speculum Light Handle or 73210 Endoscopic Instrument Light Handle.



Input...110-130v.,
50-60 Hz
.06 amp
Output ..6v., 7 amp
Weight 9 oz.
Size-. L 1.71 in.
W 2.06 in.
H 2.18 in.

CIRCUIT



CLEANING AND STERILIZATION

No. 78000 VAGINAL SPECULUM LIGHT HANDLE AND No. 73210 ENDOSCOPIC INSTRUMENT LIGHT HANDLE

These light sources can be autoclaved. Lamp must be left in.

These units may also be wiped clean using alcohol or a dry cloth.

The 78000 (purchased after May 1, 1988) may be soaked in the following solutions:

- Cidex/Cidex 7
- Sporicidin
- 70% Isopropyl Alcohol

It will withstand ethylene oxide (130° F., 8 p.s.i., 4 hr. cycle) sterilization.

No. 78600 VAGINAL SPECULUM EXPENDABLE ILLUMINATOR

The 78600 Expendable Illuminator will withstand over 50 cycles of steam autoclaving (270° F, 27 p.s.i., 6 min. cycle), after each time the unit will show degradation of light transmission, and will eventually need replacement.

The 78600 Expendable Illuminator may be soaked in the following solutions:

- Cidex/Cidex 7
- Sporicidin
- 70% Isopropyl Alcohol

DO NOT USE IODINE-BASED SOAKS (e.g. Betadine, Wescodyne) as these will discolor the illuminator and adversely affect light output.

No. 73305 TRANSFORMER

The transformer should not be autoclaved. It may be cleaned by wiping with a 70% isopropyl alcohol solution or with a dry cloth. DO NOT SOAK. It will withstand ethylene oxide (130° F., 8 p.s.i. 4 hr. cycle).

No. 73308 LINE SWITCH

(replaces 73307)

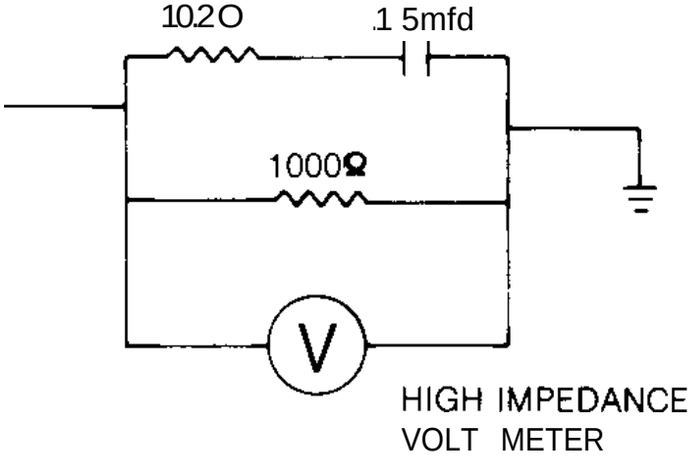
The line switch should not be claved. It may be gas sterilized using ethylene oxide. DO NOT SOAK IN GERMICIDAL SOLUTIONS. Unit may be wiped with alcohol.

MAINTENANCE

Qualified personnel should perform periodic electrical inspections. We recommend that this equipment be inspected at least every six months- more often if used under severe operating conditions.

LEAKAGE CURRENT TEST

The leakage current measured at any place on the transformer or instruments with the unit plugged in should be less than 10 microamps. This is equivalent to 9.5 MV in the following circuit:



TECHNICAL SPECIFICATIONS

No. 73305 TRANSFORMER

Equipped with five-foot cord on secondary voltage with connector for use with Welch Allyn light sources 73210 and 78000 as noted in this folder.

No. 73210 LIGHT HANDLE FOR ENDOSCOPIC INSTRUMENTS

For use with Welch Allyn reusable or disposable anoscopes and sigmoidoscopes.

Weight: 3.67 oz.
Replacement Lamp: W.A. No. 07800 (formerly No. 04000)
Size: 3.775 X1.000 in.

No. 78000 LIGHT HANDLE

For use with Welch Allyn disposable vaginal specula No. 58000, 58001, 58600, 58601.

Weight: 1.64 oz.
Replacement Lamp: W.A. No. 07800 (formerly No. 00800)
Size: 4.125 x .600 x .425 in.

FOR CONTINUED PROTECTION AGAINST INSTRUMENT MALFUNCTION, REPLACE ONLY WITH SPECIFIED WELCH ALLYN LAMPS.

Form No. 733211-4 Rev. G